City of Rochester, NY

Extreme Heat Plan and Greenhouse Gas Inventory & Pathways Analysis

Project Summary

KLA partnered with the City of Rochester to update their municipal and community-wide greenhouse gas (GHG) emissions inventories and develop an Extreme Heat Plan (EHP). The GHG inventories update previously completed inventories and evaluate progress toward the City's goals. The EHP establishes a coordinated response to extreme heat to align with and add capacity to existing needs and programs.

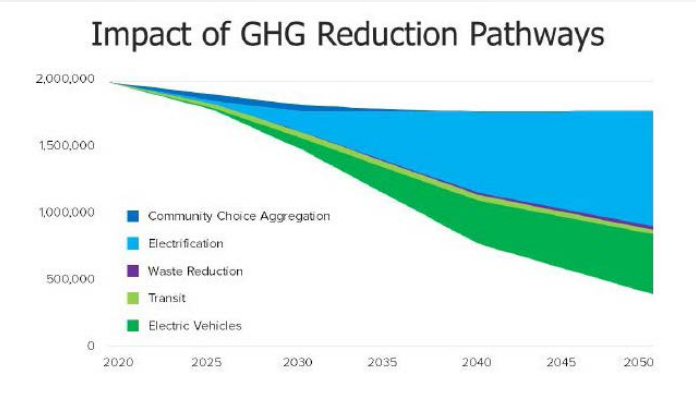
Timeline: December 2021 - May 2023

Project Highlight

A pathways analysis helps illustrate how each GHG reduction strategy contributes to reaching an emissions target over time. The Pathways Analysis is also an implementation tool – estimating the scale and timeline of activities necessary to provide the needed reduction along each pathway.

KLA developed pathways to net zero starting with the GHG Inventory, then building a model using key metrics such as building area and electric vehicle registrations; influences such as expected population growth; and the impact of state and federal energy policies. Four pathways in energy, waste, buildings, and transportation provide the how-to guide for achieving Rochester's emissions goals.

Sample Slide Summary of Pathways Analysis



Activities & Outcomes

- Delivery of a communications strategy and materials as well as two workshops with key stakeholders to assess existing emergency management systems
- Delivery of an Extreme Heat Plan outlining what the City and local and regional partners will do during extreme heat events.
- Completion of updated municipal and community-scale GHG inventories
- Assessment of progress toward targets and development of GHG reduction pathways

Pages from the **Rochester Extreme Heat Plan**